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10/740,698	12/19/2003	Sign Erickson Varner	56086 (71699)	3885	
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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Application No. Applicant(s) 10/740.698 VARNER ET AL Office Action Summary Examiner Art Unit BHISMA MEHTA 3767 -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS. WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b). Status 1) Responsive to communication(s) filed on 19 February 2009. 2a) This action is FINAL. 2b) This action is non-final. 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 68-119.122-127.129 and 132-138 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) _____ is/are allowed. 6) Claim(s) 68-119, 122-127, 129 and 132-138 is/are rejected. 7) Claim(s) _____ is/are objected to. 8) Claim(s) _____ are subject to restriction and/or election requirement. Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on is/are; a) accepted or b) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abevance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. Priority under 35 U.S.C. § 119 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. Attachment(s) 1) Notice of References Cited (PTO-892) 4) Interview Summary (PTO-413)

PTOL-326 (Rev. 08-06)

Notice of Draftsperson's Patent Drawing Review (PTO-948)

Information Disclosure Statement(s) (PTO/SB/08)
 Paper No(s)/Mail Date ______.

Paper No(s)/Mail Date.

6) Other:

5) Notice of Informal Patent Application

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DETAILED ACTION

Specification

 The specification is objected to as failing to provide proper antecedent basis for the claimed subject matter. See 37 CFR 1.75(d)(1) and MPEP § 608.01(o). Correction of the following is required:

The specification fails to disclose the cap element mating against the patient eye outer surface (see claims 111 and 116). There is no disclosure of the cap element mating against the outer surface of the patient eye in the paragraphs cited by the Applicant or elsewhere in the specification. Applicant's remarks in lines 12-20 of page 15 have been considered. However, the indicated amendments to claims 111 and 116 to recite that the cap element is in contact with the patient eye outer surface are not present in amended claims 111 and 116 as filed.

The specification fails to disclose the device being inserted through an incision smaller than the cross-section of the coil-shaped body member, the incision being smaller than the cross-section of the coil or zig-zag shaped body member, and the device being implantable within the patient eye through an incision smaller than the cross-section of the coil or zig-zag shaped body member.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action: Application/Control Number: 10/740,698

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

 Claims 68-91, 93-97, 99-109, 111-119, 122-127, 129, and 132-138 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weiner et al (U.S. Patent No. 5,466,233) in view of Rosenman et al (U.S. Patent No. 6,478,776).

Weiner et al disclose an implantable ocular drug delivery device having a nonlinear shaped body member (12) comprising a tube and that is implanted within a patient eye to deliver a drug substance to the patient via the body member and a cap element (16) (see Figure 1). The cap element is sized to provide a cross-section larger than the cross-section of the non-linear body member such that the cap element abuts an incision through which the device is inserted to stabilize the device. In lines 1-11 of column 8, Weiner et al disclose the body member being positioned within the vitreous fluid. The device is insertable through an incision approximately the same size as the outer diameter of the tube forming the body member (see Figure 14). The tube has a cross-sectional diameter approximately equal to that of an incision through which the device is being inserted (see Figure 14). With respect to claims 69-71, the device body member comprises at least five deviations from a linear path as seen by the multiple surfaces of the body member. The cap element is seen to be capable of being in contact with a patient eye outer surface when the body member is inserted into the eye. The cap element mates the body member at a proximal end of the device as seen in Figure 1. The cap element is in contact with the body member. With respect to claim 76. Weiner et al disclose the device comprising a therapeutic agent for delivery to the

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patient during use of the device (line 33 of column 10 to line 27 of column 11). With respect to claims 77 and 78. Weiner et al disclose the device body comprising a polymer that comprises a therapeutic substance that can be delivered to the patient eye (lines 28-67 of column 8). With respect to claims 83-86 and 100-102, Weiner et al. disclose a method of treating a patient comprising delivering a delivery device comprising a non-linear shaped body member (12) comprising a tube having at least five deviations from a linear path and a cap element (16) at a proximal end, inserting the device into a patient's eye through an incision, the incision being approximately the same size as the outer diameter of the tube forming the body member, whereby the body member resides in the vitreous fluid of the patient's eye and the cap element remains outside the incision through which the device is inserted and abuts the outer surface of the eye to stabilize the device, and allowing a therapeutic agent to be administered to the patient via the body member. The cap element is seen to remain outside of and abut the incision as seen in Figure 14 where the device of Figure 1 is inserted into a patient eye such that the body member resides in the patient eye. With respect to claim 89 and 105, see line 33 of column 10 to line 27 of column 11. With respect to claims 90, 91, 106, and 107, the body member comprises a polymer and comprises a therapeutic substance that can be delivered to the patient eye (lines 28-67 of column 8). With respect to claim 108, the cap element is in contact with the outer surface of the patient eye. With respect to claim 109, the device is inserted by screwing the device into the eye. With respect to claim 116, Weiner et al disclose an implantable ocular drug delivery device having a non-linear shaped body member (12) that is

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implanted within a patient eye during use of the device to deliver a drug substance to the patient eye via the body member and a cap element (16) (see Figure 1). The cap element is sized to prevent the cap element from passing through an incision through which the device is inserted and the cap element is configured to mate against the patient eye outer surface while the body member is inserted to the eye. The device is implantable within the vitreous fluid of a patient eye. With respect to claim 117, the incision comprises a sclerotomy. With respect to claim 118, the device is implanted in a minimally invasive surgical procedure. With respect to claim 119, the device is implanted at the pars plana (lines 29-50 of column 5 and line 24 of column 14 to line 5 of column 16). With respect to claims 122-127 and 132-137, see line 46 of column 8 to line 52 of column 9 and line 65 of column 9 to line 32 of column 10. With respect to claim 138, the tube has a circular cross-section.

Weiner et al disclose the implantable drug delivery device substantially as claimed. Even though Weiner et al disclose a non-linear shaped body member comprising a tube, Weiner et al are silent on the specifics of the tube of the body member comprising a coil or zig-zag shape or being wound into a coil shape.

Rosenman et al disclose a delivery device having a non linear shaped body member (12) comprising a tube provided in a coil or zig-zag shape that is implanted within a patient and a cap element (56) which abuts an incision through which the device is inserted to stabilize the device (see Figures 18 and 19). The device is insertable through an incision approximately the same size as the outer diameter of the tube forming the body member (see lines 62-67 of column 10 and lines 16-26 of column 11).

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The device body member comprises a helical shape or a substantially Z-shape as seen in Figures 18 and 19. Rosenman et al disclose implanting the device within the heart and other organs of the body which can include the eye (lines 8-28 of column 16). It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the tube forming the body member of Weiner et al with a coil or zig-zag shape as taught by Rosenman et al as Rosenman et al disclose that it is well known to provide an implantable device with a coil or zig-zag shape so that the device can be properly positioned and maintained in the desired location in a patient's body. Since the device of Rosenman et al is insertable through an incision approximately the same size as the outer diameter of the tube forming the body member, providing the tube forming the body member of Weiner et al with a coil or zig-zag shape would result in the device of Weiner et al being insertable through an incision approximately the same size as the outer diameter of the tube forming the body member.

As to claims 79-82, and 129, Weiner et al disclose the drug delivery device substantially as claimed. However, Weiner et al are silent on the specifics of the body member comprising a tube wound into a coil shape. Rosenman et al disclose an implantable drug delivery device having a body member (12) comprising a tube wound in a coil or shape as seen in Figures 18 and 19. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the tube forming the body member of Weiner et al with a coil shape as taught by Rosenman et al as Rosenman et al disclose that it is well known to provide an implantable device with a coil shape so that the device can be properly positioned and maintained in the desired

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location in a patient's body. Since the device of Rosenman et al is insertable through an incision approximately the same size as the outer diameter of the tube forming the body member, providing the tube forming the body member of Weiner et al with a coil or zig-zag shape would result in the device of Weiner et al being insertable through an incision approximately the same size as the outer diameter of the tube forming the body member.

As to claims 93-97, 99-109, and 116, Weiner et al disclose the device and method substantially as claimed. However, Weiner et al are silent on the specifics of the body member being coil-shaped or zig-zag shaped where the device is inserted through an incision smaller than the cross-section of the coil-shaped body member. Rosenman et al disclose an implantable drug delivery device having a coil-shaped or zig-zag shaped body member as seen in Figures 18 and 19 where the device is inserted through an incision smaller than the cross-section of the coil-shaped or zig-zag shaped body member (see lines 62-67 of column 10 and lines 16-26 of column 11). The device body member comprises a helical shape or a substantially Z-shape as seen in Figures 18 and 19. It would have been obvious to one having ordinary skill in the art at the time the invention was made to provide the body member of Weiner et al with a coil shape or ziq-zaq shape as taught by Rosenman et al as Rosenman et al disclose that it is well known to provide an implantable device with a coil shape or zig-zag shape so that the device can be properly positioned and maintained in the desired location in a patient's body. Since the cap element of Weiner et al is sized to provide a cross-section larger than the cross-section of the non-linear body member, providing the body

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member of Weiner et al with a coil shape would result in the cap element of Weiner et al being sized to provide a cross-section larger than the cross-section of the coil-shaped body member.

4. Claims 92, 98, and 110 are rejected under 35 U.S.C. 103(a) as being unpatentable over Weiner et al in view of Rosenman et al as applied to claims 83, 93, and 99 above, and further in view of Johnson (U.S. Patent No. 5,972,027). Weiner et al and Rosenman et al disclose the method substantially as claimed. However, Weiner et al and Rosenman et al are silent on the specifics of the device comprising a shape memory material. Johnson discloses an implantable drug delivery device with a non-linear body member that can be made of nitinol, a very well known shape memory alloy of nickel-titanium (lines 39-56 of column 2). It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the device of Weiner et al and Rosenman et al to make the device of a shape memory material as taught by Johnson as Johnson teaches that it is well known to make an implantable device from a shape memory material to provide a bio-compatible and strong device.

Response to Arguments

5. Applicant's arguments with respect to claims 68-119, 122-127, 129, and 132-138 have been considered but are moot in view of the new ground(s) of rejection. As to Applicant's arguments in lines 8-26 of page 19, the anchoring portion (14a) is part of the body member (12) of Weiner et al. For example, in Figure 1, the body member or the tube forming the body member of Weiner et al extends from a lower portion (at 22) to an

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upper portion (above 38). Similarly, in Figure 5, the body member or the tube forming the body member extends from a lower portion (at 26) to an upper portion (at 62). The entire body member of Rosenman et al comprises a tube provided in a coil or zig-zag shape. The teaching of Rosenman et al is used to provide the entire body member or the tube forming the body member of Weiner et al with a coil or zig-zag shape so that the device can be properly positioned and maintained in the desired location in a patient's body. Thus, it can be seen that providing the entire body member of Weiner et al with the coil or zig-zag shape would provide the benefit of allowing the device of Weiner et al to be properly positioned. Additionally, in response to applicant's argument that there is no suggestion to combine the references, the examiner recognizes that obviousness can only be established by combining or modifying the teachings of the prior art to produce the claimed invention where there is some teaching, suggestion, or motivation to do so found either in the references themselves or in the knowledge generally available to one of ordinary skill in the art. See In re Fine, 837 F.2d 1071, 5 USPQ2d 1596 (Fed. Cir. 1988)and In re Jones, 958 F.2d 347, 21 USPQ2d 1941 (Fed. Cir. 1992). In this case, since both Weiner et al and Rosenman et al teach that it is desirable to anchor or maintain the device in a desired location, the teaching of Rosenman et al can also be used to substitute one known way of anchoring a device within a patient's body with another known way of anchoring a device (see lines 40-50 column 4 of Weiner et al and lines 59-65 of column 6 and line 62 of column 10 to line 67 of column 11).

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Conclusion

6. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, THIS ACTION IS MADE FINAL. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to BHISMA MEHTA whose telephone number is (571)272-3383. The examiner can normally be reached on Monday through Friday, 7:30 am to 3:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kevin Sirmons can be reached on 571-272-4965. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

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Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Bhisma Mehta/ Examiner, Art Unit 3767 /Kevin C. Sirmons/ Supervisory Patent Examiner, Art Unit 3767